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4) DOUBLY COVERED ELASTIC YARN

7) Abstract:

PURPOSE: To provide doubly covered elastic yarn good in coverability even in a smaller twisting number than those of conventional doubly covered elastic yarns and excellent in durability, transparency, skin touch, elasticity and luster.

ONSTITUTION: In the doubly covered elastic yarn in which upper yarn and lower yarn comprising nylon 6 multifilaments, respectively, are wound on polyurethane core yarn in the same direction, the elastic yarn having a fineness D1 of 10–79 denier is selected, and the lower yarn and the upper yarn having finenesses D2 and D3 of 5–20 deniers, preferably the same \leq 10 denier, respectively, and having a single filament fineness of 0.3–2.0 denier, preferably the same denier, are selected. The core yarn, the upper yarn and the lower yarn are subjected to a winding operation in an elastic yarn draft ratio DF of $2.0 \leq DF \leq 4.0$ to form the doubly covered elastic yarn having an upper yarn–winding number (m)/lower yarn–winding number ratio of 0.5–1.0 satisfying the equality.

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